## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Otant		Rating **	Α	Issue No.		6			
LM Start		Rating	A	issue ivo.					
LM End		Issue Type +	Ma	Location *		N/A			
Category Earthen Levee			GPS La	atitud	e/Longitude				
Calegory				Start		End			
Item		s & Maintena	nce		0		0		
пеш	Manuals						0		
DWR ID DWR_ST0012_01_s _ 2013_6									
		Comn	nent Cod	de					
		Inspecto	or Comm	nent					
Sacramen	to Mainten	ance Yard ha	s copies	of their O&	M m	nanuals.			

No Photos

LM Start		Rating **	Α	Issue No.		7	
LM End		Issue Type +	Ma	Location *		N/A	
Category Earthen Levee				GPS La	atitud	de/Longitude	
Calegory				Start		End	
Item	Emergency Supplies &				0		0
пеш	Equipmer		0		0		
DWR ID	DWR_ST0	012_01_s _ 201	3_7				
		Comn	nent Coc	de			
		Inspecto	or Comm	nent			
Sacramento Maintenance Yard has a stockpile of flood response material.							

No Photos

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

A/W : Acceptable but Monitor & Maintain

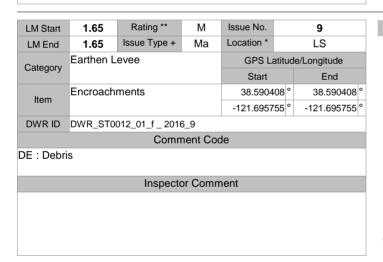
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start		Rating **	Α	Issue No.		8	
LM End		Issue Type +	Ma	Location *		N/A	
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Flood Pre	paredness &		٥		0	
пеш				٥		0	
DWR ID	DWR_ST00	012_01_s _ 201	3_8				
		Comn	nent Coc	le			
		Inspecto	or Comm	ent			
	Sacramento Maintenance Yard has a written flood response plan and flood fight training.						

No Photos





View of debris on landward side of the levee near abandoned buildings. Fall 2016.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

	4.00	D-4: **	A /\ A /	Innun Nin		4-	
LM Start	1.86	Rating **	A/W	Issue No.	15		
LM End	1.88	Issue Type +	Ma	Location *		CR	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Cracking			38.5903	78°	38.590379 °	
item				-121.6996	30°	-121.699920 °	
DWR ID DWR_ST0012_01_f _ 2015_15							
		Comn	nent Cod	de			
CR1 : Mon	itor and ha	ave inspected	by geote	echnical en	gine	er.	
		Inspecto	or Comm	nent			
Cracks sta	rting to for	m on the wate	erward s	lope.			

LM Start	1.86	Rating **	A/W	Issue No.	15 (cont)
LM End	1.88	Issue Type +	Ма	Location *	CR



Perspective view of the crack on the crown of the levee looking downstream. Fall 2015.

Photo 2 of 3: FA\_2016\_ST0012\_295\_15\_20160913\_00008.jpg



Cracks are starting to form on the waterward slope of the levee looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	1.86	Rating **	A/W	Issue No.		15 (cont)			
LM End	1.88	Issue Type +	Ma	Location *		CR			
Earthen Levee				GPS La	atitud	e/Longitude			
Category			Start		End				
Item	Cracking			38.5903	78°	38.590379°			
пеш				-121.6996	30°	-121.699920 °			
DWR ID DWR_ST0012_01_f _ 2015_15									
		Comn	nent Cod	de					
CR1 : Mon	itor and ha	ave inspected	by geote	echnical en	gine	er.			
		Inspecto	or Comm	nent					
Cracks sta	Cracks starting to form on the waterward slope.								



There is another crack perpendicular to the crack on the levee crown. Fall 2015.

LM Start	2.93	Rating **	М	Issue No.		10
LM End	3.00	Issue Type +	Ma	Location *		LS
Category Earthen Levee				GPS La	atitud	le/Longitude
Category				Start		End
Item	Erosion /	38.5905	72°	38.590653°		
item				-121.719349°		-121.720714 °
DWR ID	DWR_ST0	012_01_s _ 201	5_10			
		Comn	nent Cod	de		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.
Inspector Comment						
Area is known to erode and may be because of the material of the levee.						



View of the erosion on the landward side of the levee looking upstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.36	Rating **	М	Issue No.		13		
LM End	3.36	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item		rface / Depres	ssions /	38.5906	20°	38.590620°		
пеш	Rutting			-121.727385 °		-121.727385 °		
DWR ID DWR_ST0012_01_s _ 2016_13								
		Comn	nent Coo	le				
C2 : Repa	ir depressi	ons or ruts in	the crow	n or slope.				
		Inspecto	or Comm	ent				



View of the ruts created by vehicles on the crown of the levee looking downstream. Spring 2016.

LM Start	3.50	Rating **	М	Issue No.		3		
LM End	3.50	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item		rface / Depres	ssions /	38.5907	'31 °	38.590731°		
пеш	Rutting			-121.7299	906°	-121.729906°		
DWR ID	DWR_ST0	012_01_f _ 201	6_3					
		Comn	nent Cod	de				
C2 : Repa	ir depressi	ons or ruts in	the crow	n or slope.				
Inspector Comment								

## Photo 1 of 1 : FA\_2016\_ST0012\_295\_3\_20161011\_00015.jpg



Ruts on levee crown due to vehicular activity. Fall 2016.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.51	Rating **	С	Issue No.		17		
LM End	3.51	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroachi	ments		38.5907	'51 °	38.590751 °		
пеш				-121.730004°		-121.730004°		
DWR ID DWR_ST0012_01_s _ 2016_17								
		Comn	nent Cod	de				
DE : Debri	S							
		Inspecto	or Comm	nent				

No Photos

LM Start	3.54	Rating **	М	Issue No.		18		
LM End	3.54	Issue Type +	Ma	Location *		CR		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item		rface / Depres	ssions /	38.5906	85°	38.590685 °		
пеш	Rutting			-121.730657°		-121.730657°		
DWR ID	DWR ID DWR_ST0012_01_s _ 2016_18							
		Comn	nent Cod	de				
C2 : Repa	ir depressi	ons or ruts in	the crow	n or slope.				
		Inspecto	or Comm	nent				



View of the ruts caused by vehicles on the crown of the levee looking downstream. Spring 2016.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.90	Rating **	М	Issue No.		12
LM End	3.90	Issue Type +	Ma	Location *		LS
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Cracking			38.5941	49°	38.594149°
item			-121.735254°			
DWR ID	DWR_ST0	012_01_f _ 201	5_12			·
		Comn	nent Cod	de		
CR1 : Mon	itor and ha	ave inspected	by geote	echnical en	gine	er.
Inspector Comment						
	The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes.					

LM Start	3.90	Rating **	M	Issue No.	12 (cont)
LM End	3.90	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA\_2016\_ST0012\_295\_12\_20160913\_00004.jpg

View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2: FA\_2016\_ST0012\_295\_12\_20160913\_00005.jpg



View of the sinkholes on the landward side of the levee. Sinkholes are caused due to material of the levee and runoffs. Spring 2016.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.94	Rating **	М	Issue No.		11
LM End	3.94	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Cracking			38.5946	45°	38.594645°
item				-121.7357	12 °	-121.735712°
DWR ID DWR_ST0012_01_f _ 2015_11						
		Comn	nent Cod	le		
CR1 : Mon	itor and ha	ave inspected	by geote	echnical en	gine	er.
		Inspecto	or Comm	ent		
	oles are ca not rodent	used by the n holes.	naterial d	f the levee	and	runoffs.



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	1.21	Rating **	М	Issue No.		23	
LM End	1.21	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / I	Bank Caving		38.5933	68°	38.593368°	
пеш				-121.7356	05°	-121.735605 °	
DWR ID DWR_ST0012_02_f _ 2016_23							
		Comn	nent Cod	de			
E1 : Note	and monito	r erosion site					
		Inspecto	or Comm	nent			
Erosion or	waterward	d side at utility	crossin	g.			



View of an erosion site around UCIP pipe FSID 13725 on waterward side of the levee. Fall 2016.

LM Start	1.26	Rating **	М	Issue No.		21	
LM End	1.26	Issue Type +	Ma	Location *		WS	
Earthen Levee GPS Latitude/Longi							
Category				Start		End	
Item	Erosion /	Bank Caving		38.5927	'46 °	38.592746 °	
пеш				-121.7350	31 °	-121.735031 °	
DWR ID	DWR_ST0	012_02_f _ 2010	6_21			*	
		Comn	nent Cod	de			
E1 : Note	and monito	or erosion site					
Inspector Comment							



View of erosion site on waterward side of the levee. Fall 2016.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

		5				_		
LM Start	1.28	Rating **	С	Issue No.		6		
LM End	1.28	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	Slope Sta	bility		38.5925	03°	38.592503°		
пеш				-121.7348	01°	-121.734801 °		
DWR ID	DWR ID DWR_ST0012_02_s _ 2016_6							
		Comn	nent Cod	de				
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	anc	I prevent		
		Inspecto	or Comm	nent				

No Photos

LM Otant	1.61	Rating **	С	Issue No.		12		
LM Start	1.01		- C			12		
LM End	1.61	Issue Type +	Ма	Location *		CR		
Category	evee	GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Encroach	ments		38.5899	10°	38.589910°		
пеш				-121.7300	42°	-121.730042°		
DWR ID	DWR_ST0	012_02_s _ 201	6_12					
		Comn	nent Cod	de				
DE : Debri	S							
		Inspecto	or Comm	nent				

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

		II.						
LM Start	1.77	Rating **	М	Issue No.		8		
LM End	1.77	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.5899	66°	38.589966 °		
пеш				-121.727072 °		° -121.727072 °		
DWR ID	DWR_ST0	012_02_s _ 201	2_8					
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion sit	e prior to	the next in	spec	tion.		
		Inspecto	or Comm	nent				



View of the erosion on the edge of the channel looking downstream. Fall 2015.

LM Start	2.04	Rating **	М	Issue No.		5	
LM End	2.04	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Erosion / I	Bank Caving		38.5899	906°	38.589906°	
item				-121.722218 °		8° -121.722218°	
DWR ID	DWR_ST00	012_02_s _ 201	2_5				
		Comn	nent Cod	de			
E1 : Note	and monito	or erosion site	•				
		Inspecto	or Comm	nent			

#### Photo 1 of 2: FA\_2016\_ST0012\_296\_5\_20160913\_00001.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.04	Rating **	М	Issue No.		5 (cont)	
LM End	2.04	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.5899	06°	38.589906°	
пеш				-121.722218°		° -121.722218°	
DWR ID DWR_ST0012_02_s _ 2012_5							
		Comn	nent Cod	de			
E1 : Note a	and monito	or erosion site					
		Inspecto	or Comm	nent			



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

•									
LM Start	2.25	Rating **	М	Issue No.		19			
LM End	2.25	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Erosion /	Bank Caving		38.5898	45°	38.589845°			
пеш				-121.718292 °		-121.718292°			
DWR ID	DWR ID DWR_ST0012_02_f _ 2015_19								
		Comn	nent Cod	de					
E1 : Note	and monito	or erosion site							
		Inspect	or Comm	nent					
Erosion creeping onto toe road.									



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.25	Rating **	М	Issue No.		19 (cont)
LM End	2.25	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion / I	Bank Caving		38.5898	45°	38.589845 °
item				-121.718292 °		-121.718292°
DWR ID DWR_ST0012_02_f _ 2015_19						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comm	nent		
Erosion creeping onto toe road.						



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

LM Start	2.73	Rating **	М	Issue No.		20		
LM End	2.73	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		38.5897	07°	38.589707°		
item				-121.7094	29°	-121.709429°		
DWR ID	DWR_ST00	012_02_f _ 201	5_20					
		Comn	nent Cod	de				
E1: Note a	and monito	r erosion site						
		Inspecto	or Comm	nent				
Erosion sta	Erosion starting to creep onto the toe road.							



View of the erosion at the edge of the channel looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.82	Rating **	М	Issue No.		10			
LM End	2.82	Issue Type +	Ма	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion / I	Bank Caving		38.5896	91°	38.589691 °			
item				-121.7077	'40 °	-121.707740°			
DWR ID	DWR ID DWR_ST0012_02_f _ 2014_10								
		Comn	nent Cod	de					
E1 : Note a	and monito	or erosion site							
		Inspecto	or Comm	nent					

LM Start	2.82	Rating **	М	Issue No.	10 (cont)
LM End	2.82	Issue Type +	Ma	Location *	WS



Erosion on toe road. Fall 2014.

Photo 2 of 2: FA\_2016\_ST0012\_296\_10\_20160913\_00009.jpg



View of the erosion on the toe road looking downstream. Spring 2016.

LM Start	2.97	Rating **	М	Issue No.		9			
LM End	2.97	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Category				Start		End			
Item	Erosion /	Bank Caving		38.5896	86°	38.589686°			
itom				-121.7050	)41 °	-121.705041 °			
DWR ID DWR_ST0012_02_f _ 2014_9									
		Comn	nent Cod	de					
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.			
			0						
		Inspecto	or Comm	nent					



An updated view of erosion site on waterward side of the levee that keeps on growing. Fall 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.97	Rating **	М	Issue No.		9 (cont)		
LM End	2.97	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		38.5896	86°	38.589686°		
item				-121.7050	)41 °	-121.705041°		
DWR ID DWR_ST0012_02_f _ 2014_9								
		Comn	nent Cod	le				
E2 : Scheo	lule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	ent				

LM Start	2.97	Rating **	M	Issue No.	9 (cont)
LMEnd	2 07	Issue Type +	Ma	Location *	WS



Erosion on toe road. Fall 2014.

#### Photo 3 of 3: FA\_2016\_ST0012\_296\_9\_20160913\_00007.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.05	Rating **	М	Issue No.		16		
LM End	3.05	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.5896	38°	38.589638 °		
пеш				-121.7034	52°	-121.703452°		
DWR ID DWR_ST0012_02_s _ 2016_16								
		Comn	nent Cod	de				
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	anc	l prevent		
		Inspecto	or Comm	nent				



View of the slope stability on the shoulder of the levee looking downstream. Spring 2016.

LM Start	3.88	Rating **	М	Issue No.		4			
LM End	3.88	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Erosion / I	Bank Caving		38.5895	19°	38.589519°			
item				-121.6881	35 °	-121.688135°			
DWR ID	DWR ID DWR_ST0012_02_f _ 2016_4								
		Comn	nent Cod	de					
E1 : Note	and monito	r erosion site							
Inspector Comment									



View of erosion site on waterward side of the levee. Fall 2016.

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#### Flood Control Project Maintenance Levee Inspections

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.95	Rating **	М	Issue No.		18
LM End	3.95	Issue Type +	Ма	Location *		WS
Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End
Item	Erosion / Bank Caving			38.5895	° 80	38.589508°
пеш				-121.686850 °		-121.686850 °
DWR ID DWR_ST0012_02_s _ 2016_18						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comn	nent		



View of the erosion on the waterward side looking downstream. Spring 2016.

LM Start	4.18	Rating **	М	Issue No.		14
LM End	4.18	Issue Type +	Ма	Location *		LS
Category Earthen Levee				GPS La	atitud	e/Longitude
Category		Start		End		
Item	Encroach	38.5895	16°	38.589516 °		
item				-121.682585 °		-121.682585 °
DWR ID DWR_ST0012_02_f _ 2016_14						
		Comn	nent Cod	de		
GA : Garb	age					
		Inspecto	or Comm	nent		

# Photo 1 of 1 : FA\_2016\_ST0012\_296\_14\_20161011\_00038.jpg



Garbage on landside slope. Fall 2016.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	4.29	Rating **	М	Issue No.		11	
LM End	4.29	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Erosion / I	Bank Caving		38.5895	50°	38.589550°	
пеш				-121.680632 °		-121.680632°	
DWR ID DWR_ST0012_02_f _ 2014_11							
		Comn	nent Cod	de			
E2 : Schedule repair of erosion site prior to the next inspection.							
		Inspecto	or Comm	nent			

Photo 1 of 3: FA_2016_ST0012_296_11_20161011_00037.jpg
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An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

 LM Start
 4.29
 Rating \*\*
 M
 Issue No.
 11 (cont)

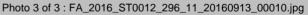
 LM End
 4.29
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 3: FA\_2016\_ST0012\_296\_11\_20161011\_00035.jpg



Perspective view of the site. Fall 2016.

LM Start	4.29	Rating **	М	Issue No.	11 (cont)
LM End	4.29	Issue Type +	Ma	Location *	WS





View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

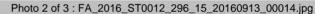
LM Start	5.05	Rating **	М	Issue No.		15
LM End	5.05	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS L	atituc	le/Longitude
Calegory				Start		End
Item	Erosion /	38.5895	70°	38.589570°		
пеш				-121.6665	88°	-121.666588 °
DWR ID DWR_ST0012_02_s _ 2015_15						
		Comn	nent Cod	de		
E2 : Sche	dule repair	of erosion site	e prior to	the next in	spe	ction.
		Inanasta	or Comm	ant		
		mspecii	or Comm	ienii		

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	AMM 2	100	die Tie	
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			Tara Asi	

Photo 1 of 3: FA\_2016\_ST0012\_296\_15\_20161011\_00034.jpg

An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

# LM Start 5.05 Rating \*\* M Issue No. 15 (cont) LM End 5.05 Issue Type + Ma Location \* WS





View of the erosion on the edge of the channel on the waterward side of the levee. Spring 2015.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	5.05	Rating **	М	Issue No.	15 (cont)		
LM End	5.05	Issue Type +	Ма	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			38.589570°		38.589570°	
item				-121.666588 °		-121.666588 °	
DWR ID DWR_ST0012_02_s _ 2015_15							
Comment Code							
E2 : Schedule repair of erosion site prior to the next inspection.							
Inspector Comment							

# Photo 3 of 3 : FA\_2016\_ST0012\_296\_15\_20160913\_00015.jpg

View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

	F 00	Poting **		Issue No.		47	
LM Start	5.09	Rating **	М	issue ivo.	17		
LM End	5.09	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			38.589565 °		38.589565°	
item				-121.665731 °		-121.665731 °	
DWR ID DWR_ST0012_02_f _ 2016_17							
Comment Code							
E1 : Note and monitor erosion site.							
Inspector Comment							



View of a site that may become a larger erosion site in the future. Waterward side of the levee looking downstream. Fall 2016.

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	7.15	Rating **	М	Issue No.	25		
LM End	7.46	Issue Type +	Ма	Location *	CR		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Crown Surface / Depressions / Rutting			38.574860°		38.574293°	
пеш				-121.644047 °		-121.638713 °	
DWR ID DWR_ST0012_02_s _ 2016_25							
Comment Code							
C3 : Add appropriate gravel or road base. Grade and compact.							
Inspector Comment							
Crown needs to be regraded.							



View of the crown of the levee looking downstream. Road needs to be regraded. Spring 2016.